

### Abstract of the Disclosure

Provided is a  $2 \times 2$  optical switch includes a substrate, a first input fiber and a first output fiber, a second input fiber and a second output fiber, a rotating mirror, torsion bars, and an electrostatic force generating part. The first input fiber and a first output fiber are arranged at a predetermined distance from a central point in a first optical path passing through the central point over the substrate. The second input fiber and a second output fiber are arranged at a predetermined distance from the central point in a second optical path that passes through the central point and is orthogonal to the first optical path. The rotating mirror is positioned at around the central point and turns on a turning shaft. The torsion bars support the rotating mirror and the electrostatic force generating part supplies a drive force to the rotating mirror.